

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application

Inventors: Girgensohn, et al.  
Appl. No.: 10/612,428  
Confirm. No.: 6562  
Filed: July 2, 2003  
Title: SYSTEMS AND METHODS FOR  
GENERATING MULTI-LEVEL  
HYPERVIDEO SUMMARIES

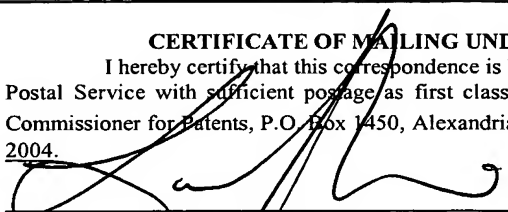
PATENT APPLICATION

Art Unit: 2615  
Examiner: Unknown

Customer No. 23910

**CERTIFICATE OF MAILING UNDER 37 C.F.R. § 1.8**

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Larry T. Harris, Reg. No. 44,745  
Signature Date: January 20, 2004

(Attorney Signature)

**INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. §1.56**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

It is requested that the information identified in this statement be considered by the Examiner and made of record in the above-identified application. This statement is not intended to represent that a search has been made or that the information cited in the statement is, or is considered to be, material to patentability as defined in 37 C.F.R. §1.56. If this is a continuation, divisional or continuation-in-part application, it is understood that the Examiner will consider all information which was considered by the Office in a parent application. MPEP §609. Such information therefore is not listed herein unless it is desired that the information be printed on a patent issuing from the subject application.

***Enclosed with this statement are the following:***

- ✓ Form PTO-1449. The Examiner is requested to initial the form and return it to the undersigned in accordance with M.P.E.P. §609.
- ✓ The present application was filed after June 30, 2003. In accordance with the pre-official gazette waiver of 37 CFR 1.98 (a)(2)(i) posted at: [pac/dapp/opla/preognotice/idswouscopies.htm](http://pac/dapp/opla/preognotice/idswouscopies.htm), copies of cited U.S. patents and publications are not enclosed. However, copies of cited foreign patent documents and non-patent literature are enclosed in accordance with 37 CFR 1.98(a)(2), as still required, except for those items designated by an asterisk (\*), which were previously submitted by the applicant in a parent application, from which benefit under 35 U.S.C. §120 is claimed, with an *Information Disclosure Statement* submitted in the parent application which complies with the September 8, 2000 or subsequent revision of 37 C.F.R. §1.98(a-c), as allowed under 37 C.F.R. §1.98(d)(1).

- ✓ If any of the cited/submitted documents is in a foreign language, a concise explanation of relevance is provided pursuant to 37 C.F.R. §1.98(a)(3)(i). For foreign language documents cited in a search report by a foreign patent office, the requirement for a concise explanation of relevance is satisfied by the submission herewith of an English language version of the search report. MPEP §609A(3). If a written English-language translation of a non-English language document, or portion thereof, is within the possession, custody or control of, or is readily available to any individual designated in §1.56(c), a copy of the translation accompanies this statement, 37 C.F.R. §1.98(a)(3)(ii), and satisfies the requirement for a concise explanation of relevance, MPEP §609A(3).

— **PTA Statement under 37 C.F.R. §1.704(d).** Each item of information contained in the *Information Disclosure Statement* was cited in a communication from a foreign patent office in a counterpart application and this communication was not received by any individual designated in §1.56(c) more than thirty days prior to the filing of the *Information Disclosure Statement*.

***This statement should be considered because:***

- ✓ **37 C.F.R. §1.97(b).** This statement qualifies under 37 C.F.R. §1.97, subsection (b) because:

- (1) It is being filed within three months of the filing date of an application other than a continued prosecution application under § 1.53(d);  
-- OR --
- (2) It is being filed within 3 months of entry of a national stage;  
-- OR --
- (3) It is being filed before the mailing date of the first Office Action on the merits,  
-- OR --
- (4) It is being filed before the mailing date of the first Office Action after the filing of a Request for Continued Examination under 37 C.F.R. §1.114.

— **37 C.F.R. §1.97(c).** Although it may not qualify under subsection (b), this statement qualifies under 37 C.F.R. §1.97, subsection (c) because:

- (1) It is being filed before the mailing date of a FINAL Office Action, a Notice of Allowance, or an action that otherwise closes prosecution in the subject application, whichever occurs first.  
-- AND (check at least one of the following) --
  - (1) It is accompanied by a STATEMENT as set forth in 37 C.F.R. §1.97(e).  
-- OR --
  - (2) It is accompanied by the \$180 fee set forth in 37 C.F.R. §1.17(p).

— **37 C.F.R. §1.97(d).** Although it may not qualify under subsection (b) or (c), this statement qualifies under 37 C.F.R. §1.97, subsection (d) because:

- (1) It is being filed on or before payment of the Issue Fee;  
-- AND --
- (2) It is accompanied by a STATEMENT as set forth in 37 C.F.R. §1.97(e);  
-- AND --
- (3) It is accompanied by the \$180 fee set forth in 37 C.F.R. §1.17(p).

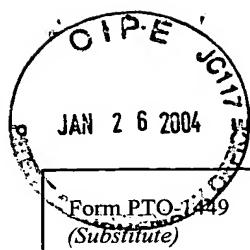
✓ **Fee Authorization.** The Commissioner is hereby authorized to charge any deficiencies or credit any overpayment to Deposit Account No. 06-1325. A duplicate copy of this authorization is enclosed.

Respectfully submitted,

Date: 01/20/07

By:   
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Form PTO-1449 (Substitute)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		Attorney Docket Number <b>FX/A2022</b>	Serial/Patent Number <b>10/612,428</b>
			Applicant/Patent Owner <b>Girgensohn, et al.</b>	
			Filing/Issue Date <b>July 2, 2003</b>	Group Art Unit <b>2615</b>

**Information Disclosure Statement**  
**BY APPLICANT**  
 (Use several sheets if necessary)

**U.S. PATENTS**

Examiner Initial	Patent Number	Issue Date	First Named Inventor	Class	Subclass	Filing Date

**U.S. PATENT PUBLICATIONS**

Examiner Initial	Patent Application Publication Number	Publication Date	Applicant
1.	US 2003/0189588 A1	October 9, 2003	Andreas Girgensohn
2.	US 2003/0190143 A1	October 9, 2003	Andreas Girgensohn

**PENDING U.S. PATENT APPLICATIONS**

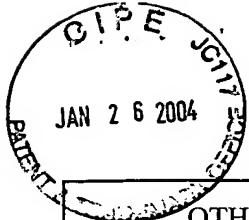
Examiner Initial	Application Number	Filing Date	First Named Inventor	Petition to Expunge? Yes   No
3.	09/618,649	July 18, 2000	Andreas Girgensohn	X
4.	09/618,533	July 18, 2000	Andreas Girgensohn	X

**FOREIGN PATENT DOCUMENTS**

Examiner Initial	Document Number	Publication Date	Country	Class	Subclass	Translation Yes   No

**OTHER DOCUMENTS** (Include author (if any), title, publisher and place of publication, date and pertinent pages)

5.	Avrahami, G., Brooks, K.P., and Brown, M.H., "A Two-View Approach to Constructing User Interfaces," <i>ACM SIGGRAPH '89</i> , Boston, 31 July – 4 August, 1989.
6.	Boreczky, J. and Wilcox, L., "A Hidden Markov Model Framework for Video Segmentation Using Audio and Image Features," in <i>Proc ICASSP '98</i> , IEEE, May 1998, Seattle.
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8.	Christel, M., Smith, M., Taylor, C., and Winkler, D., "Evolving Video Skims into Useful Multimedia Abstractions," in <i>Human Factors in Computing Systems, ACM CHI '98 Conference Proceedings</i> , pp. 171-178, Los Angeles, April 1998.
9.	Girgensohn, A. and Boreczky, J. "Time-Constrained Keyframe Selection Technique," in <i>IEEE Multimedia Systems '99, IEEE Computer Society</i> , Vol. 1, pp. 756-761, 1999.
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12.	Pfeiffer, S., Lienhart, R., Fischer, S. and Effelsberg, W., "Abstracting Digital Movies Automatically," in <i>Journal of Visual Communication and Image Representation</i> , Vol. 7, No. 4, pp. 345-353, December 1996.
13.	Smith, M. and Kanade, T., "Video Skimming and Characterization through the Combination of Image and Language Understanding Techniques," in <i>Proc. Computer Vision and Pattern Recognition</i> , pp. 775-781, 1997.
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17.	Gross, G., "Molecular Mechanics Optimisation," <a href="http://www.chem.swin.edu.au/modules/mod6/molmech_1.html">http://www.chem.swin.edu.au/modules/mod6/molmech_1.html</a> , October 9, 2000.
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19.	Girgensohn, A., Boreczky, J., Chiu, P., Doherty, J., Foote, J., Golovchinsky, G., Uchihashi, S., and Wilcox, L., "A Semi-Automatic Approach to Home Video Editing," <i>Proceedings of UIST '00</i> , pp. 81-89, 2000.
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23.	Sundaram, H. and Chang, S.-F., "Condensing Computable Scenes Using Visual Complexity and Film Syntax Analysis," <i>Proceedings of ICME 2001</i> , pp. 389-392, 2001.
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26.	Yeung, M.M., and Yeo, B.-L., "Video Visualization for Compact Presentation and Fast Browsing of Pictorial Content," <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , Vol. 7, No. 5, October 1997.
27.	Zhang, H.J., et al., "Automatic Parsing and Indexing of News Video," <i>Multimedia Systems</i> , 2 (6), pp. 256-266, 1995.
28.	Russell, D., "A Design Pattern-based Video Summarization Technique: Moving from Low-level Signals to High-level Structure," <i>IEEE 33rd Hawaii International Conference on System Sciences</i> , Vol. 3, Maui, Hawaii, January 04 - 07, 2000.
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Examiner

Date Considered

\*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

\*1 = Copy not submitted because it was submitted in prior application SN          /         , filed         , 20    , relied on under 35 USC §120.

\*2 = Copy not submitted because it was submitted in prior application SN          /         , filed         , 20    , relied on under 35 USC §120.